

In the Claims

A complete set of claims is provided below, with amendments indicated by strikethrough text (for deletions) and underlining (for insertions). The claims below are the claims as pending in view of all amendments to the claims, including this amendment. Please amend the claims as follows:

Please cancel claims 2-6 without prejudice or disclaimer.

---

1. (currently amended) A method for diagnosing endometrial cancer in a subject suspected of having endometrial cancer comprising:  
obtaining from the subject an endometrial tissue sample suspected of being cancerous,  
determining the expression of a set of nucleic acid molecules or expression products thereof in the endometrial tissue sample, wherein the set of nucleic acid molecules comprises ~~at least two~~ nucleic acid molecules selected from the group consisting of SEQ ID NOs: 14 and 32~~4-50~~, wherein the increased expression of SEQ ID NO:14 and 32 is diagnostic of endometrial cancer in the subject.
2. (cancelled)
3. (cancelled)
4. (cancelled)
5. (cancelled)
6. (cancelled)
10. (original) The method of claim 1, further comprising:  
determining the expression of the set of nucleic acid molecules or expression products thereof in a non-cancerous endometrial tissue sample, and comparing the expression of the set of

nucleic acid molecules or expression products thereof in the endometrial tissue sample suspected of being cancerous and the non-cancerous endometrial tissue sample.